

ABSTRACT OF THE DISCLOSURE

A computer comprising a housing; a circuit board supported in the housing; a plurality of slot connectors supported on the circuit board; a first card configured for sliding receipt in one of the slot connectors; a processor mounted on the first card; a second card configured for sliding receipt in one of the slot connectors; a memory mounted on the second card; and an optical interconnect coupling the first card to the second card, the processor being configured to communicate with the memory via the optical interconnect.

A method of assembling a computer, the method comprising supporting a circuit board in a housing; supporting a plurality of slot connectors on the circuit board; mounting a processor on a first card; inserting the first card into a first one of the slot connectors; mounting a memory on a second card; inserting the second card into a second one of the slot connectors; and optically coupling the first card to the second card for optical communications between the processor and the memory.